

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	120	(607/137).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/14 17:02
S2	50	("20050137447" "5624376" "5857958" "6190305" "5800336" "5913815" "20010003788" "6398717" "6408496" "6875166" "20040039244" "6113531" "6139488" "5456654" "5554096" "6636768" "6592513" "5370689" "6277148" "6436028" "20020183587" "5788711" "5558618" "5176620" "5318502" "5776144" "5993376" "6193645" "6482144" "4957478" "5015224" "5360388" "6730015" "20020095063" "20020183586" "20050113633" "4601723" "6197060" "6554861" "5772575" "4624672" "4850962" "4957507" "6315710" "6325755" "5680466" "6093417" "6448283" "6751328" "20010027342" ) .pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:22
S3	2	((("5531787") or ("5889847"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/14 17:14
S7	131099	implant implantable	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:22
S8	10986	(hearing adj aid) cochlea cochlear	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:23
S9	2583	S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:23
S10	176503	(acoustic sound) and (sensor receiver)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:23
S11	1046	S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:23
S12	282525	acceleration	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:23

## EAST Search History

S13	100	S11 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:23
S14	603999	piezoelectric piezosensor resonance resonant (foil adj oscillator) magnetorestrictive capacitive inductive	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:24
S15	67	S13 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:24
S16	1891	ossicle malleus incus	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:24
S17	38	S15 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:25
S19	3557926	mass weight mg milligram	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:25
S20	36	S17 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:25
S21	708872	vibrat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:27
S22	35	S20 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:27
S23	195457	hermetic biocompatible biologically	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:27
S24	33	S22 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:27
S25	33	S24 and (cochlea cochlear)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:28

## EAST Search History

S26	1272003	a/d analog digital a-to-d	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:28
S27	31	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/14 17:28
S28	10	(US-20050137447-\$ or US-20010003788-\$ or US-20020138115-\$).did. or (US-5531787-\$ or US-5624376-\$ or US-5857958-\$ or US-6190305-\$ or US-5800336-\$ or US-5913815-\$ or US-6398717-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/15 10:38
S29	4	S28 and electromechanic\$12	US-PGPUB; USPAT	OR	ON	2006/09/15 10:39
S30	9	S28 and transducer	US-PGPUB; USPAT	OR	ON	2006/09/15 10:39
S31	195457	hermetic biocompatible biologically	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 10:45
S32	10	S28 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 10:45
S33	603999	piezoelectric piezosensor resonance resonant (foil adj oscillator) magnetorestrictive capacitive inductive	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 10:58
S34	10	S28 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:04
S35	3	S28 and (metal metallic) and conductive	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:05
S36	4	S28 and conductive	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:05
S37	3	S28 and (conductive same housing)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:06

## EAST Search History

S38	8	S28 and (titanium same housing)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:06
S40	3	S28 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:08
S41	1274250	a/d analog digital a-to-d digitize	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:09
S42	3	S28 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 12:34
S43	2	S28 and impedance	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:10
S44	1891	ossicle malleus incus	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:10
S45	10	S28 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:17
S46	10	S28 and (vibration vibratory)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:18
S47	10	S28 and (cochlea cochlear)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:21
S48	7	S28 and ((cochlea cochlear) adj implant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:23
S49	10	S28 and ((middle adj ear) (inner adj ear))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:27
S50	10	S28 and (mass weight mg milligram)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/15 11:32

## EAST Search History

S51	1	("20050075576").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/15 11:32
S52	10	(US-20050137447-\$ or US-20020138115-\$ or US-20010003788-\$).did. or (US-6398717-\$ or US-6190305-\$ or US-5913815-\$ or US-5857958-\$ or US-5800336-\$ or US-5624376-\$ or US-5531787-\$).did.	US-PGPUB; USPAT	OR	ON	2007/06/10 18:05
S53	7	S52 and ((incus malleus stapes ossicle ossicular) same (disconnect\$3 disarticulat\$3 interrupt\$3))	US-PGPUB; USPAT	OR	ON	2007/06/10 18:08
S54	115	((incus stapes ossicle ossicular) same (disconnect\$3 disarticulat\$3 interrupt\$3))	US-PGPUB; USPAT	OR	ON	2007/06/10 18:08
S55	673	((incus malleus stapes ossicle ossicular) same (sound receiver (hearing adj aid) transducer))	US-PGPUB; USPAT	OR	ON	2007/06/10 18:11
S56	109	S54 and S55	US-PGPUB; USPAT	OR	ON	2007/06/10 18:12
S57	125401	piezoelectric piezosensor (resonance adj frequency) (foil adj oscillator) magnetorstrictive ((capacitive inductive) adj transducer)	US-PGPUB; USPAT	OR	ON	2007/06/10 18:13
S58	81	S56 and S57	US-PGPUB; USPAT	OR	ON	2007/06/10 18:13
S59	2	S58 and ("a/d" a-d a-to-d converter) and transformer	US-PGPUB; USPAT	OR	ON	2007/06/10 18:15
S60	10	S58 and ("a/d" a-d a-to-d converter)	US-PGPUB; USPAT	OR	ON	2007/06/10 18:28
S61	6	S60 and (case housing) and (metal metallic conductive)	US-PGPUB; USPAT	OR	ON	2007/06/10 18:29
S62	81	S58 and (vibration\$ vibratory)	US-PGPUB; USPAT	OR	ON	2007/06/10 18:29
S63	10	S60 and (vibration\$ vibratory)	US-PGPUB; USPAT	OR	ON	2007/06/10 18:29
S64	8	S60 and (case housing)	US-PGPUB; USPAT	OR	ON	2007/06/10 18:29
S65	8	S60 and (cochlea cochlear)	US-PGPUB; USPAT	OR	ON	2007/06/10 18:29
S66	133	(607/137).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/11 17:33

## EAST Search History

S67	15	(US-20050137447-\$ or US-20010003788-\$ or US-20020138115-\$).did. or (US-5531787-\$ or US-6398717-\$ or US-6113531-\$ or US-6190305-\$ or US-5800336-\$ or US-5913815-\$ or US-5857958-\$ or US-5624376-\$ or US-6629922-\$ or US-6629923-\$ or US-6592512-\$ or US-6342035-\$).did.	US-PGPUB; USPAT	OR	ON	2007/09/20 05:57
S68	14	S67 and (permanent\$2)	US-PGPUB; USPAT	OR	ON	2007/09/20 05:58
S69	27	(disarticulat\$3 disconnect\$3) same incus same stapes	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/29 13:01
S70	1	("20050137447").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/29 12:02
S71	1	S70 and (permanent\$3 disarticulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/29 12:03
S72	1	S70 and (permanent\$3 disarticulat\$3 disconnect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/29 12:03
S73	15	(disarticulat\$3 disconnect\$3) same incus same stapes same (permanent\$3 remov\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/29 13:01
S74	12	S69 not S73	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/29 13:58
S75	152	(607/137).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/29 14:19
S76	8	S73 and (ad a/d a-to-d (analog adj digital) impedance transformer)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/29 14:19